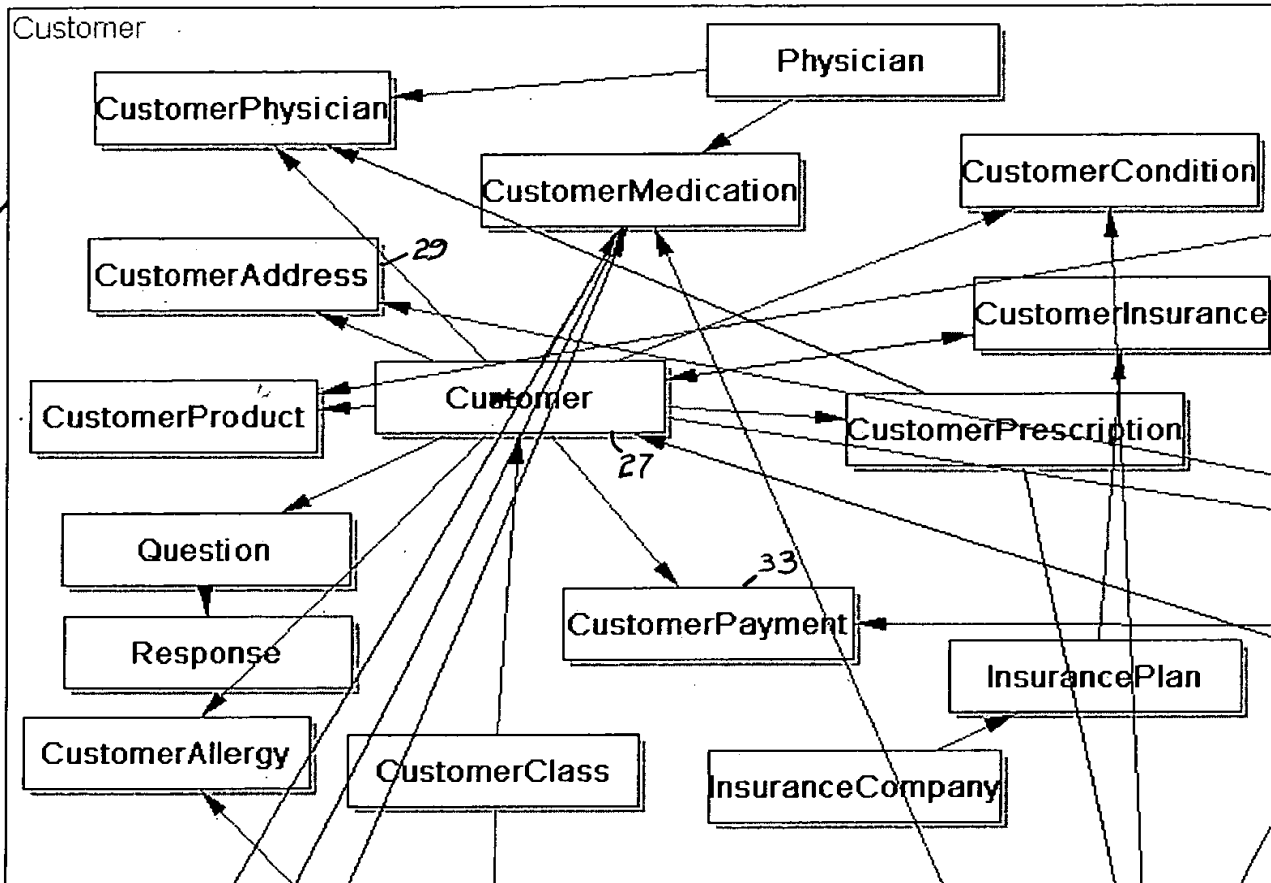


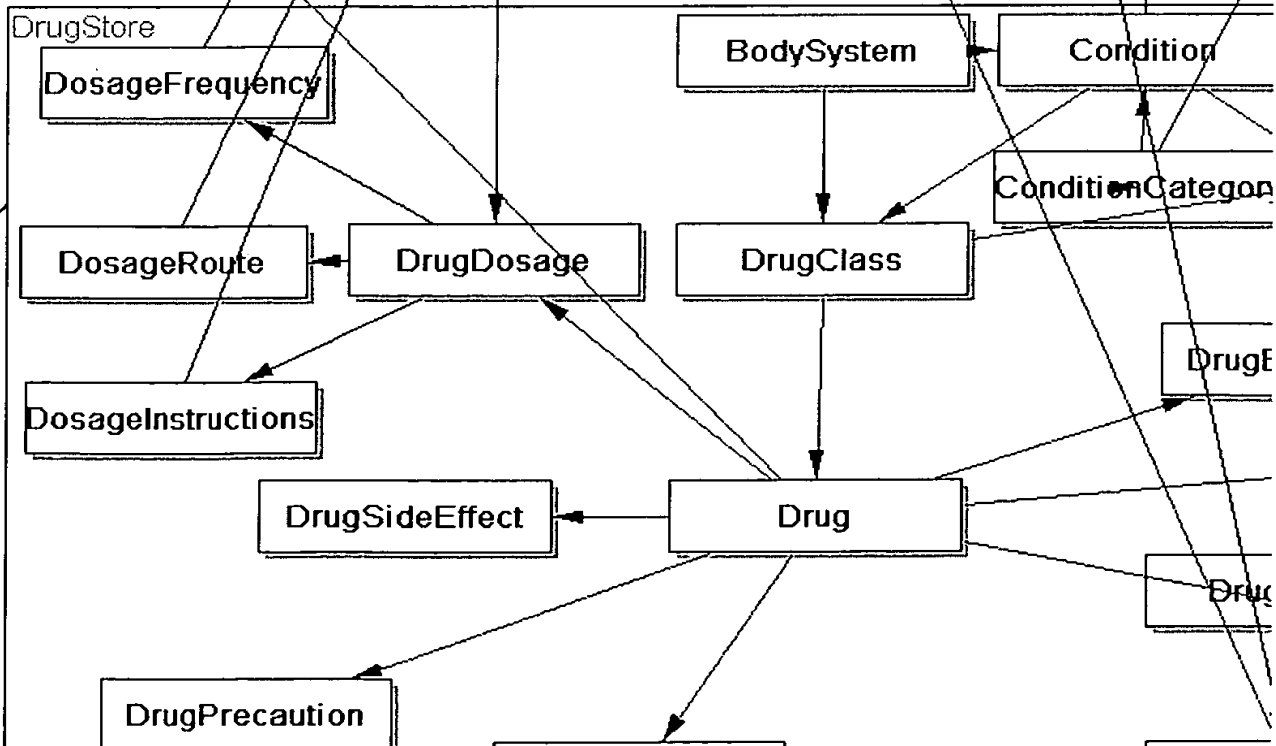
Drugstore 11

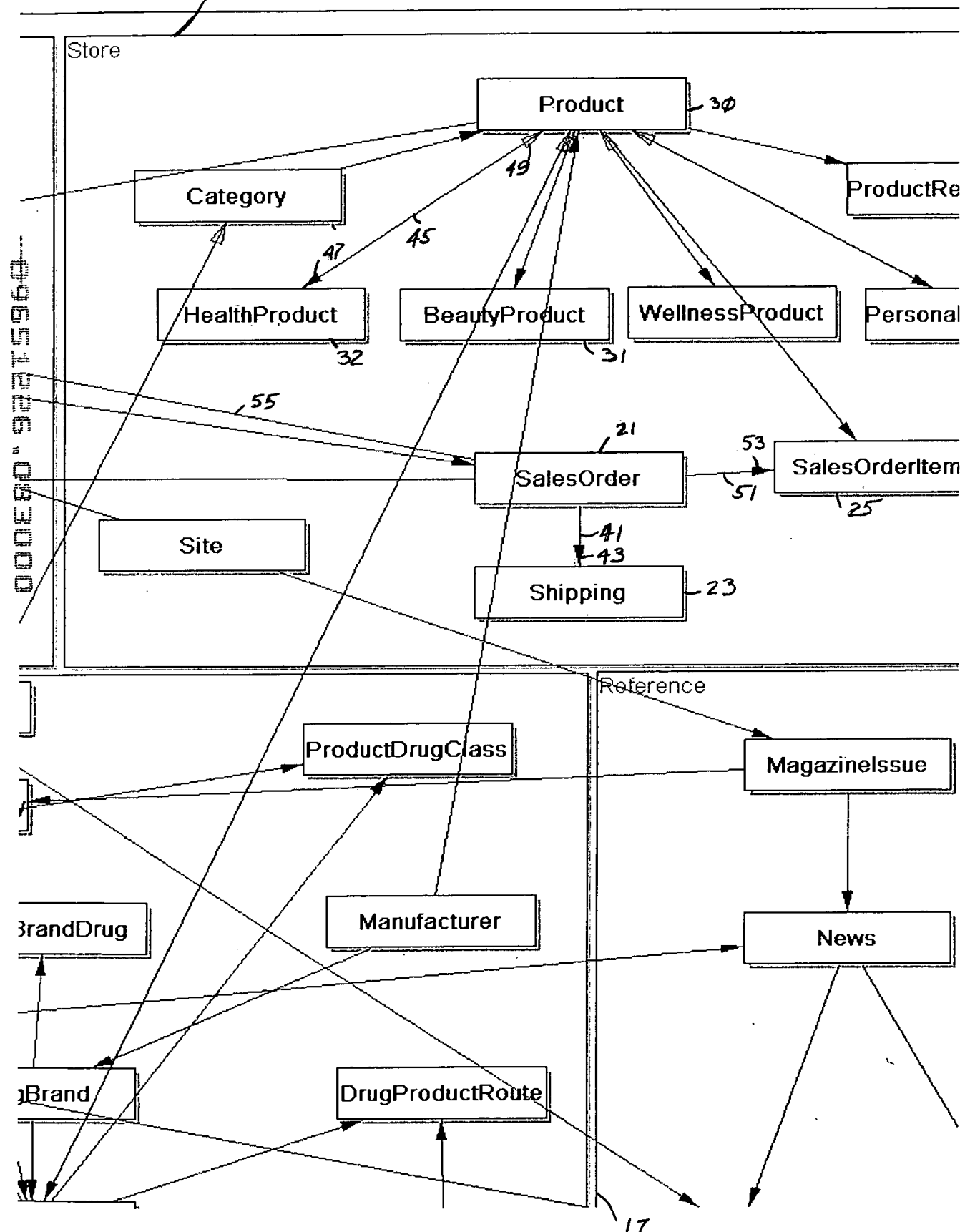
Fig. 1

13



15





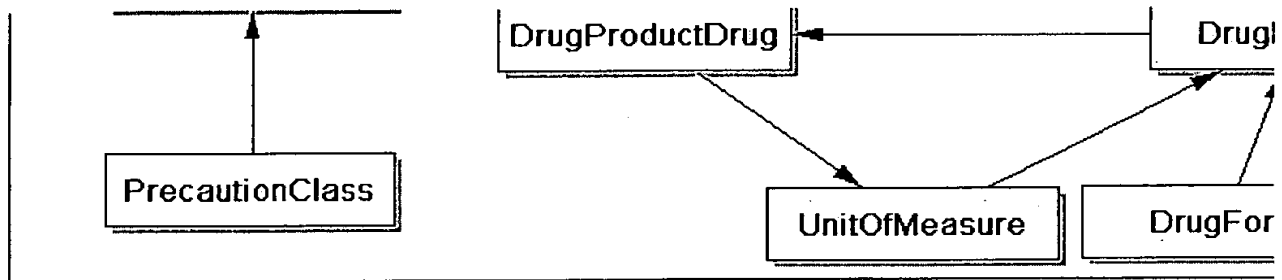
Relationship

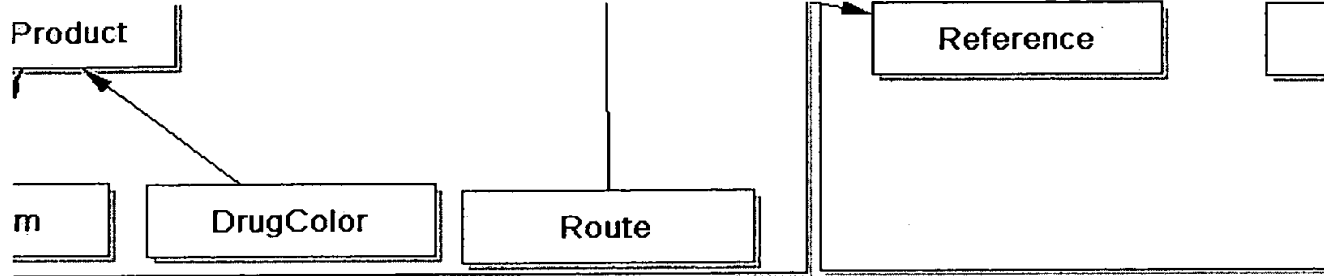
CareProduct

000E80:3E2T59
6512E:083000



09551226.083000





000E80" 922T5960

000E80" 922T5960

Topic

Fig. 2



<div style="display: flex; justify-content: space-between; padding: 5px;"> Messages Data Gen Data Entry Experience Gen Object Gen Test Cockpit </div>																			
StateVar		Attribute Methods																	
State Var		DB Name	StateVar																
<input type="radio"/> Basic <input checked="" type="radio"/> Enum <input type="radio"/> Class		Define Enum <div style="border: 1px solid black; padding: 2px; display: inline-block;">StateVar</div> <input type="checkbox"/> Local																	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">StateVar</div>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 15%;">Initiate</td> <td rowspan="3" style="width: 10%; text-align: center; vertical-align: middle;">} 261</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Registered</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Verified</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		1	Initiate	} 261	2	Registered	3	Verified									
1	Initiate	} 261																	
2	Registered																		
3	Verified																		
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Read Only <input type="checkbox"/> Owns <input type="checkbox"/> Public <input type="checkbox"/> Nested </div> <div> Keys <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Identity <input type="checkbox"/> Unique Key <input type="checkbox"/> Indexed <input type="checkbox"/> Cluster </div> <div> <input type="checkbox"/> User Selecting <input type="checkbox"/> User Identifying <input type="checkbox"/> Primary Key </div> </div> </div> <div> Options <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Not in Archive <input type="checkbox"/> Not in Audit Trail <input type="checkbox"/> Not in Template </div> </div> </div> </div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">User Invisible</div>																	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Edit</div>		<div style="border: 1px solid black; padding: 2px; display: inline-block;">Control Style</div>																	

[illegible][illegible][illegible]

SECRET

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GUI	Control:Style	
Button	On place	Button:Icon
		NUM

Fig 3

The screenshot displays the 'NewArchitect Workbench' interface for a project named 'NewDrugStore3'. On the left, a project tree shows a hierarchy starting with 'DrugStore', followed by 'Store', 'BeautyProduct', 'Category', 'HealthProduct', 'PersonalCareP', 'Product', 'ProductRelatio', 'SalesOrder' (which is selected), 'SalesOrderItem', 'Shipping', 'Site', 'WellnessProdL', 'Customer', 'notused', 'ExtCategory', 'New', and 'NewApplication'.

The central workspace shows the 'SalesOrder' table structure. It includes a list of attributes with their data types and a 'SalesOrder' table with columns: 'Attribute Name', 'OrderNumber', 'OrderStatusString', 'Payment', 'BillingAddress', 'Shipping', and 'StateVar'. The 'SalesOrder' table is highlighted with a blue background.

On the right, the 'Table Designer' for 'SalesOrder' is visible. It contains several sections:

- Table Properties:** Fields for 'Name', 'Caption', 'Description', 'To Do', and 'Help'.
- Data Type:** A dropdown menu set to 'Money'.
- Size:** Fields for 'Size' (set to 15) and 'Precision' (set to 2).
- Format:** A text field.
- Rollup Summary:** Checkboxes for 'Sum', 'Mean', 'Max', and 'Min'.
- Properties:** Checkboxes for 'Required', 'Read Only', 'Process State', 'Non-Persistent', 'Multi-Value', 'Unique Key', 'Public', 'Indexed', 'Cluster', 'User Selecting', 'Not in Archive', 'Not in Audit Trail', and 'Not in Template'.
- Options:** Checkboxes for 'User Inherited' and 'Control Style'.
- Presentation Group:** A dropdown menu.
- Entry Control Type:** A dropdown menu set to 'Edit'.
- View Control Type:** A dropdown menu set to 'Edit'.
- Sub Objects:** Checkboxes for 'Sub Objects', 'Buttons', and 'Inherited'.

The bottom status bar shows the application is running on 'Microsoft Visual Basic' and 'Microsoft Visual C++'.

-41

09651226 083000

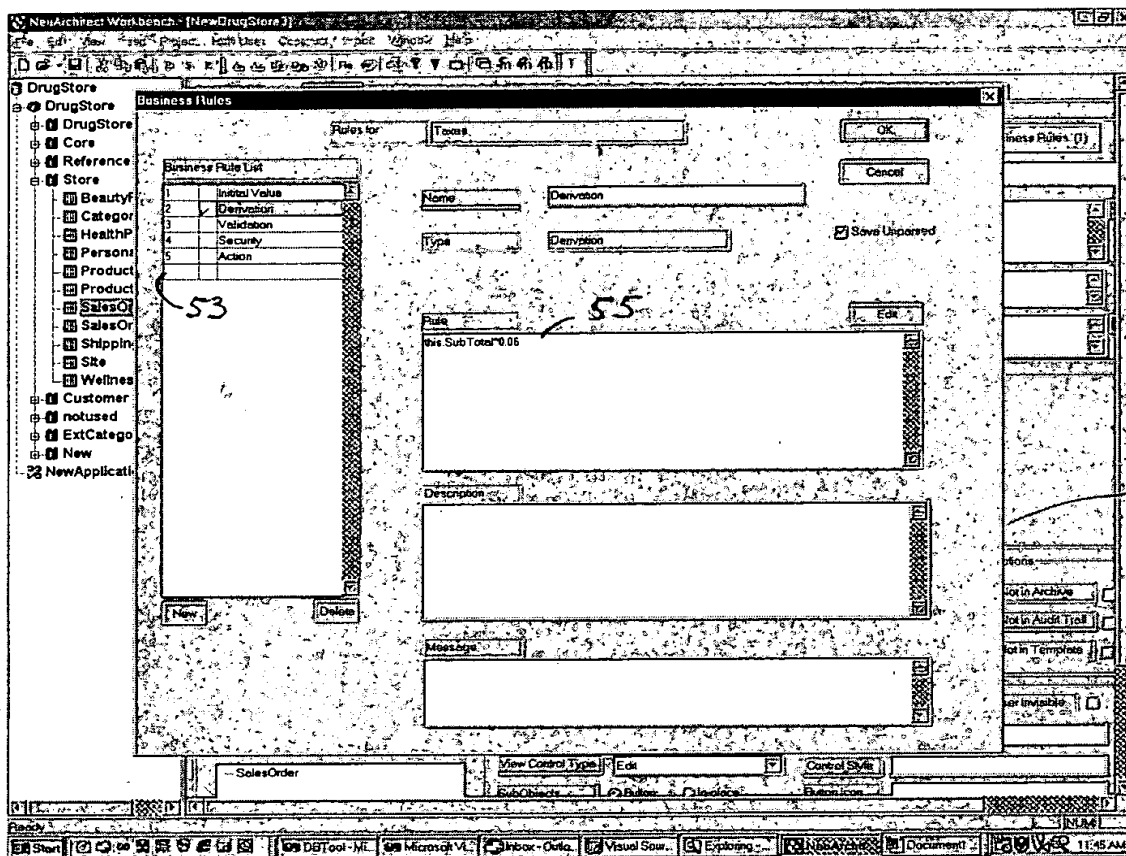


Fig. 5

096716

611

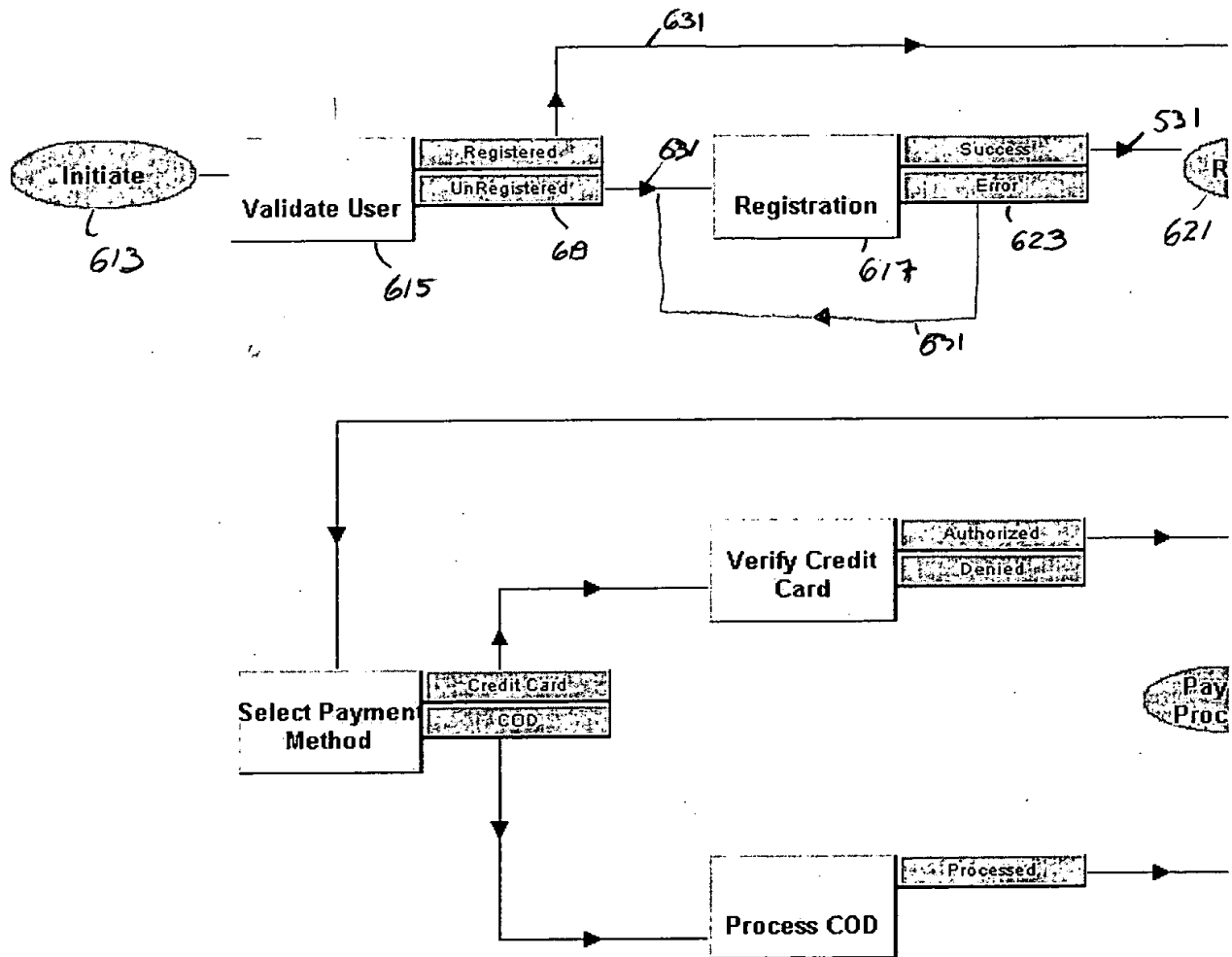


Fig. 6

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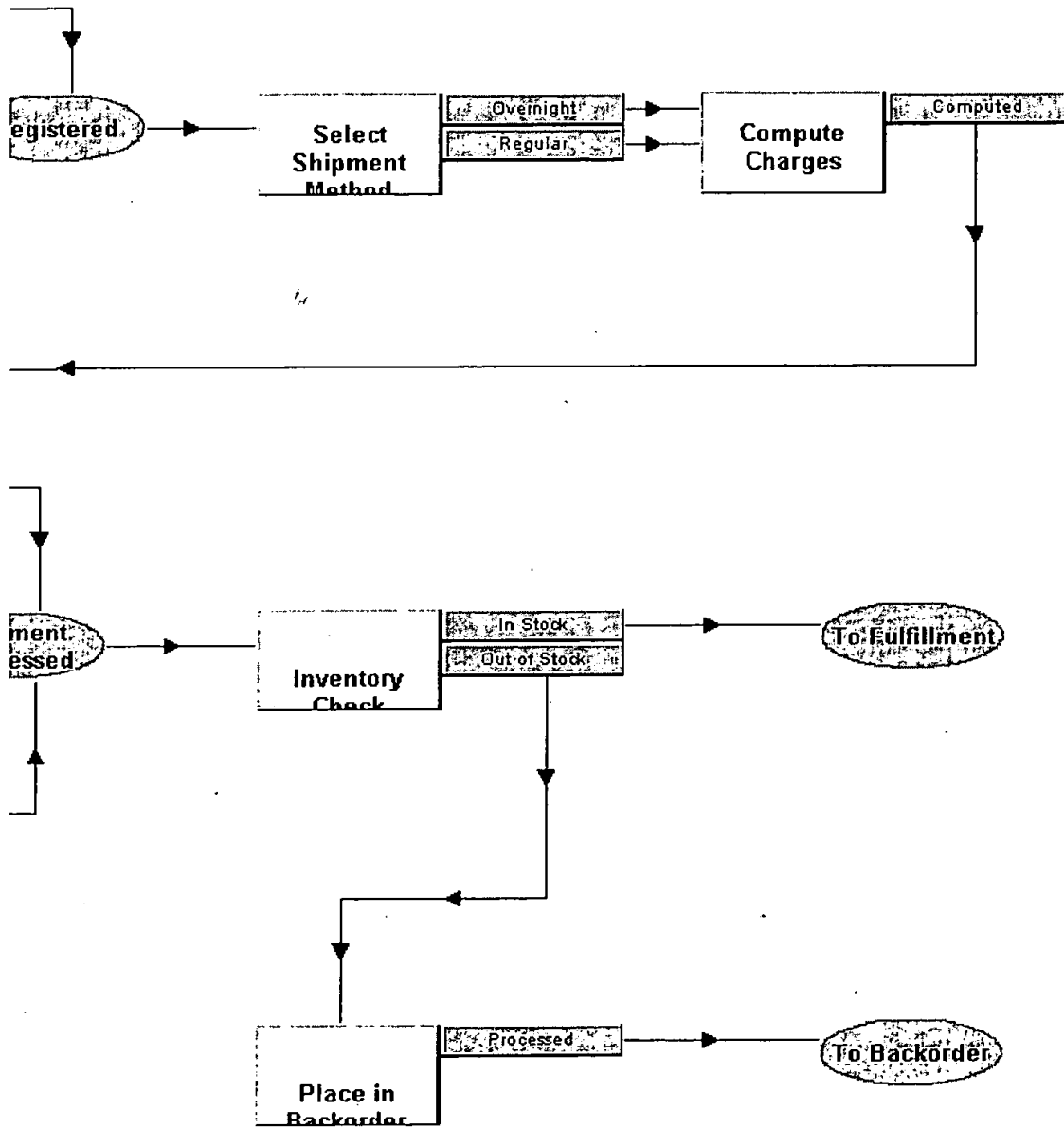


Fig. 7

711

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eComBuilder - [NewDrugStore3.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help

P S E A A U C D O M R

DrugStore

- DrugStore
 - DrugStore
 - Core
 - Reference
 - Store
 - BeautyProduct
 - Category
 - HealthProduct
 - PersonalCareProd
 - Product
 - ProductRelationsh
 - SalesOrder** 21
 - SalesOrderItem
 - Shipping
 - Site
 - WellnessProduct
 - Customer
 - notused
 - ExtCategory
 - New
- NewApplication

Entity Services Attributes Agents Process Agents Documents

Method List ☐ Show System Generated ☐ To be Deleted

SalesOrder

1	Proc Validate User
2	Proc Registration
3	DeleteItem
4	ProcessShippingInfo
5	ProcessCreditCardInfo
6	GetShippingCharge
7	GetSubTotal
8	ProcessExecuteOrder
9	ProcUpdateItems
10	ProcCheckout
11	ProcCreditCard

713

715

```

var i = 0;
var Total = 0;
var Found = false;
for (i=0; i < this.Orde
{
  var Oltem = this.Or
  if (Oltem.Product_
  {
    Oltem.Quantity +
    Oltem.LoadProd
    Oltem.DeriveAll()
    Oltem.EOPersist
    Oltem.Update();
    Found = true;
    break;
  }
}

```

Definition

```

void AddItemToOrd

```

Class

1	int
2	int

New Delete Up Down

Parent Child

Transfer Methods...

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Messages

Data Gen

Data Entry

Experience Gen

Object Gen

Test Cockpit

AddItemToOrder

☒ Instance

☐ Set

☐ Class

☒ Object

☐ Database

☐ Abstract

☐ Required in Inherited Class

☒ JavaScript

☐ Java

☐ C++

rltems.length; i++)

derltems[i]:
ID == Product_ID)

= Quantity;
uct():
I;
Status = 3;

er(int Product_ID, int Quantity)

Name	In	Out	Ret	ByR	Arr
Product_ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

0965126-083000

Ready

SECRET

[illegible]

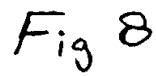
[illegible]

Fig 8

4



Fig. 9

The screenshot shows the 'Database Properties' dialog box in Microsoft Access 2000, with the 'Tables' tab selected. The 'Table' list contains 'Table1' with a primary key icon. The 'Fields' list contains 'Name' (Text), 'Price' (Text), and 'SalesOrder' (Text). The 'Index' list is empty. The 'Table Properties' section is empty. The 'Table Design View' button is highlighted.

913

000E80" 922T5960

1017 1019 1011

Properties

Form | Object Space | Data Security | Parameters | Form Themes | Meta tags | Technology

☐ Retire ☒ Final ☐ View only ☐ Secure page ☐ Check for required fields

☐ Report ☐ Center ☒ Has data access

Name: Insertious

Directory expression:

Entity: Customer

Title:

Theme: Current

Style: BaseControls

Control style: BaseControls

HTML style:

HTML template:

Description:

To do:

Script OnLoad:

Script Client:

View

Data access: Enter Only

Data binding: Auto (Same as Parent)

View name:

Use transactions:

1013 1015

Properties

OK

Fig. 10

The screenshot shows the Visual Studio .NET Properties window for a WebForm1 control. The 'Form' tab is selected. The 'Name' property is 'insertous'. The 'Data access' property is 'Enter Only'. The 'Data binding' property is 'Auto (Same as Parent)'. The 'View name' property is 'Dynamic'. The 'Use transactions' property is 'Static'. The 'Description' property is empty. The 'To do' property is empty. The 'Script OnLoad' property is empty. The 'Script Client' property is empty. The 'Properties' window is titled 'Properties' and has tabs for 'Form', 'Object Space', 'Data Security', 'Parameters', 'Form Themes', 'Meta tags', and 'Technology'.

1011

0005126 083000

109 1011

Properties

Form | Object Space | Data Security | Parameters | Form Themes | Meta logs | Technology

Attribute name in object space: Customer

Entity name in object space: Customer

Selection:

Sort:

Current entity available attributes:

1121

- ATTRIBUTES (4)
 - Addresses
 - Age
 - Name
 - Orders
 - METHODS (0)
 - MESSAGES (0)

Entity list for current document:

- OrderItem
 - Name
 - Price
- Customer
 - Name
 - Age

1119

All entities:

- Address
- CusOrder
- Customer
- OrderItem

1117

1115

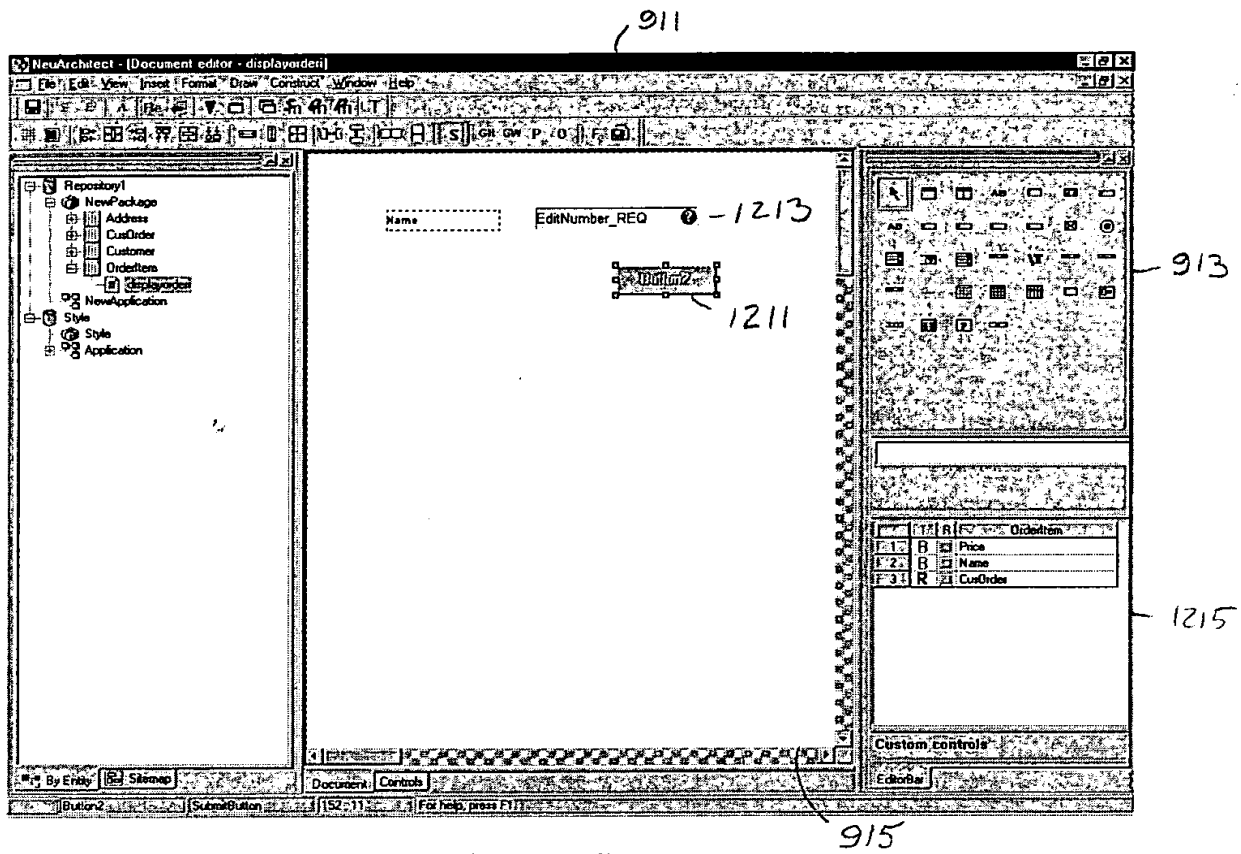
Refresh Remove

Properties OK

1113

Fig. 11

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5. Associate the data controls with the attributes.

Fig. 12

000E30" 922T5360

1311

Control properties

Control Display View Expressions Events Buddy Control HTML

Style: [v]

Mouse effects: ☐ Mouse effects

3D font: ☐ 3D font
[Set 3D]
Highlight color: []
Shadow: []

Shape: ☐ Has shape
[Shape]

Image generation: ☐ Generate image
Format: [Gif]
[Generate Image]
[Make Progressive]

1313

Fill and border: Type: [Solid] Color: [Background]
Fit: []
Border: Type: [None]
Shadow: Type: [None]
Back image: [] [Select]
☒ Center ☐ Tile ☐ Stretch

Text display: ☒ Custom ☐ Theme [Select Font]
Font face: [Arial] Size: [10] Offset: [0] Weight: [NORMAL] Alignment: [Left] Color: [Custom Color]
☐ Relative Size: [8421]
☐ Italic ☐ Underline ☐ Strikethrough ☐ Small caps
☐ Blink ☐ Superscript ☐ Subscript ☐ Oblique

Link display: Link color: [Custom Color] Visited link color: [Custom Color] Active link color: [Custom Color]

Control properties OK Cancel

Fig. 13

POLYMER LETTERS

1413

Fig. 14

NeuArchitect Analytics Run-time Architecture

151

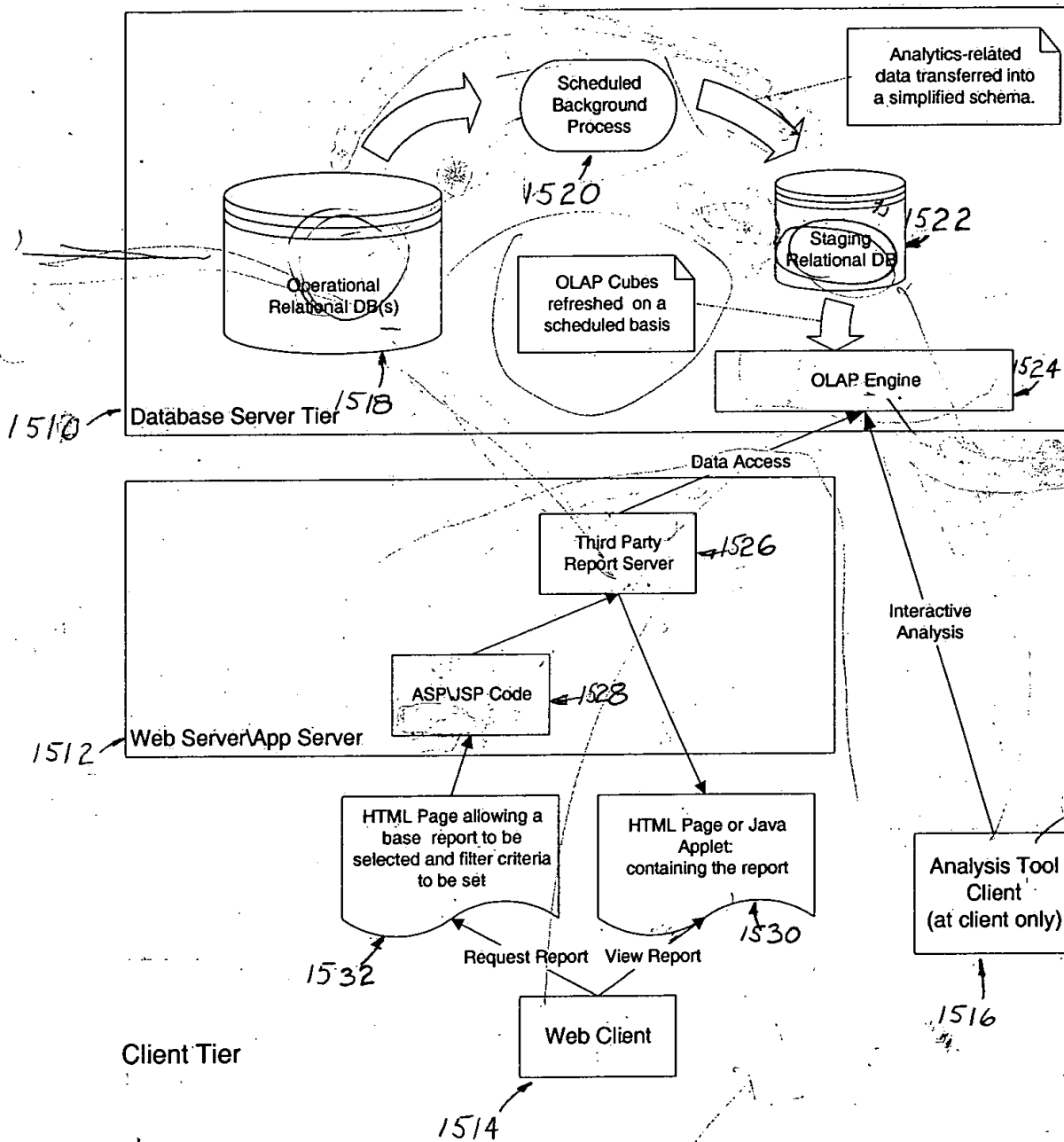


Fig 15

000030" 922T5960

NeuArchitect - [MyTest.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

☒ User ☐ System ☐ To be deleted ☐ Do not persist

MyTest

- NewPackage
 - TheSubject
 - BuyerOrg
 - BuyerPerson
 - Manufacturer
 - Product
 - Seller
 - XAction-23
 - NewApplication

Attribute list

	T	R	Attribute Name
1	R		Buyer
2	R		Seller
3	R		Product
4	B		XDate
5	E		XStatus
6	B		XAmount
7	B		SName
8	B		SRegion
9	E		ArchiveStatus
10			
11			

Attribute details

Name: XAmount

Caption: XAmount

Description:

To do:

Help:

Data Type **Properties** **Visualization** **Business Rules**

Data type: ☒ Basic ☐ Enum. ☐ Class

1627

Money

Size: 15 Precision: 2

Format:

1625

Fig 16

SECRET

CopyXfr Attributes

CopyXfr Attributes

Data Descriptor

Features

Sample Data

000E30" 922T5960

NeuArchitect - [MyTest.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help



MyTest

NewPackage

TheSubject

BuyerOrg

BuyerPerson

Manufacturer

Product

Seller

XAction

NewApplication

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

☒ User ☐ System ☐ To be deleted ☐ Do not persist

Attribute list

	T	R	Attribute Name
1	R		Buyer
2	R		Seller
3	R		Product
4	B		XDate
5	E		XStatus
6	B		XAmount
7	B		SName
8	B		SRegion
9	E		ArchiveStatus
10			
11			

Attribute details

Name: XAmount

Caption: XAmount

Description:

To do:

Help:

Data Type Properties Visualization Business Rules

Properties

- ☒ Required
- ☐ Read only
- ☐ Nonpersistent
- ☐ Public
- ☐ Process state
- ☒ Analytics measure

Keys

- ☐ Identity
- ☐ User selecting
- ☐ User identifying
- ☐ Not in archive
- ☐ Not in audit trail
- ☐ Not in template

Fig 17

[illegible]

NewArchitect - [MyTest.OMD]

File Edit View Insert Project Multi User Construct Import Window Help

MyTest

 NewPackage

The Subject



BuyerOrg

BuyerPerson

Manufacturer

Product

Seller

Action

New Application

1625

1343

Fig 18

[illegible]

Copy Xlr Attributes

Analytics Features

Copy Xlr Attributes

Property classification:

Data Descriptor Features Sample Data

Define Enum XStatus

Define Enum	XStatus
1	initiated
2	inprogress
3	complete
4	
5	

000000" 922T5960

New	Delete	Up	Down		
<p>.... XAction</p>					
For Help, press F1					

000000 92215960

		NUM	
7			
8			

NeuArchitect - [MyTest.OMD]

File Edit View Insert Project Multi-User Construct Import Window Help

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

MyTest

NewPackage

TheSubject

BuyerOrg

BuyerPerson

Manufacturer

Product

Seller

XAction

NewApplication

Attribute list

Attribute details

Name: XStatus

Caption: XStatus

Description:

To do:

Help:

1733

1953

Properties

Required

Read only

Nonpersistent

Public

Process state

Analytics measure

Identity

User selecting

User identifying

Not in archive

Not in audit trail

Not in template

000E80"922T5960

<div><div></div><div></div><div></div></div>	
<div><div>Analytics</div><div>Features</div></div>	
<div>Copy/Xfr Attributes</div>	
<div>ity classification:</div>	
<div><div></div><div></div></div>	<div><div></div><div></div></div>
<div><div></div><div></div></div>	<div><div></div><div></div></div>
<div><div></div><div></div></div>	<div><div></div><div></div></div>
<div><div>Data Descriptor</div><div>Features</div><div>Sample Data</div></div>	
<div></div>	

3

3

File Edit View Insert Project Multi User Construct Import Window Help

MyTest

NewPackage

TheSubject

BuyerOrg

BuyerPerson

Manufacturer

Product

Seller

XAction

NewApplication

Entity Settings Attributes Method Processes Documents Messages Indices Data Gen Data Entry

To be deleted

Process list

1	Transaction Processing
2	
3	

Process details

Name: Transaction Processing

Caption:

Process state: XStatus

Description:

2061

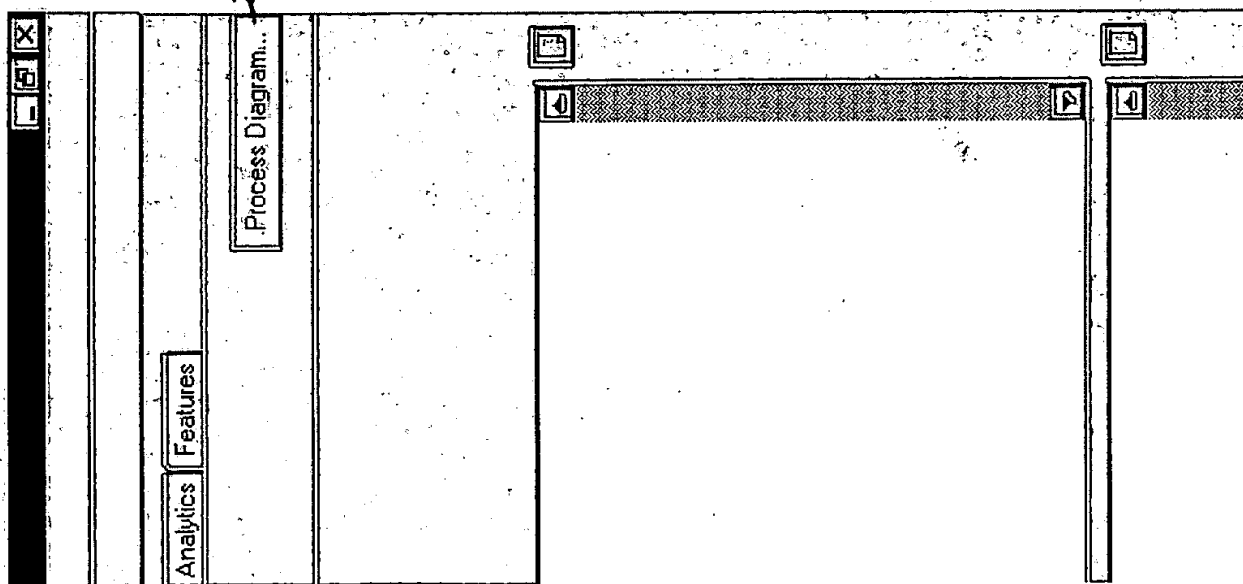
2065

2063

To do:

Fig. 20

000E80" 922T5960



2069

For Help, press F1

000E30" 92215360

Analytics

Features

Generate Analytics

New

Edit

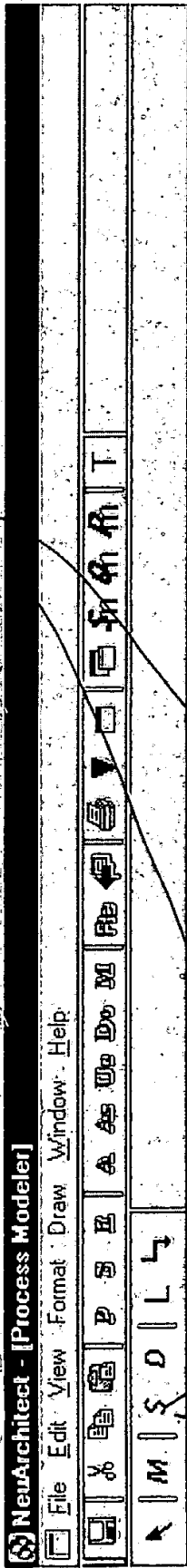
Delete

2005

2007

000E80" 922T5960

217



2171

initiated

inprogress

2173

Control Properties

State

Process State: XStatus

State Name: []

Description: []

Next Step: []

Analytics

☐ Start State

☒ Capture Time

Since: []

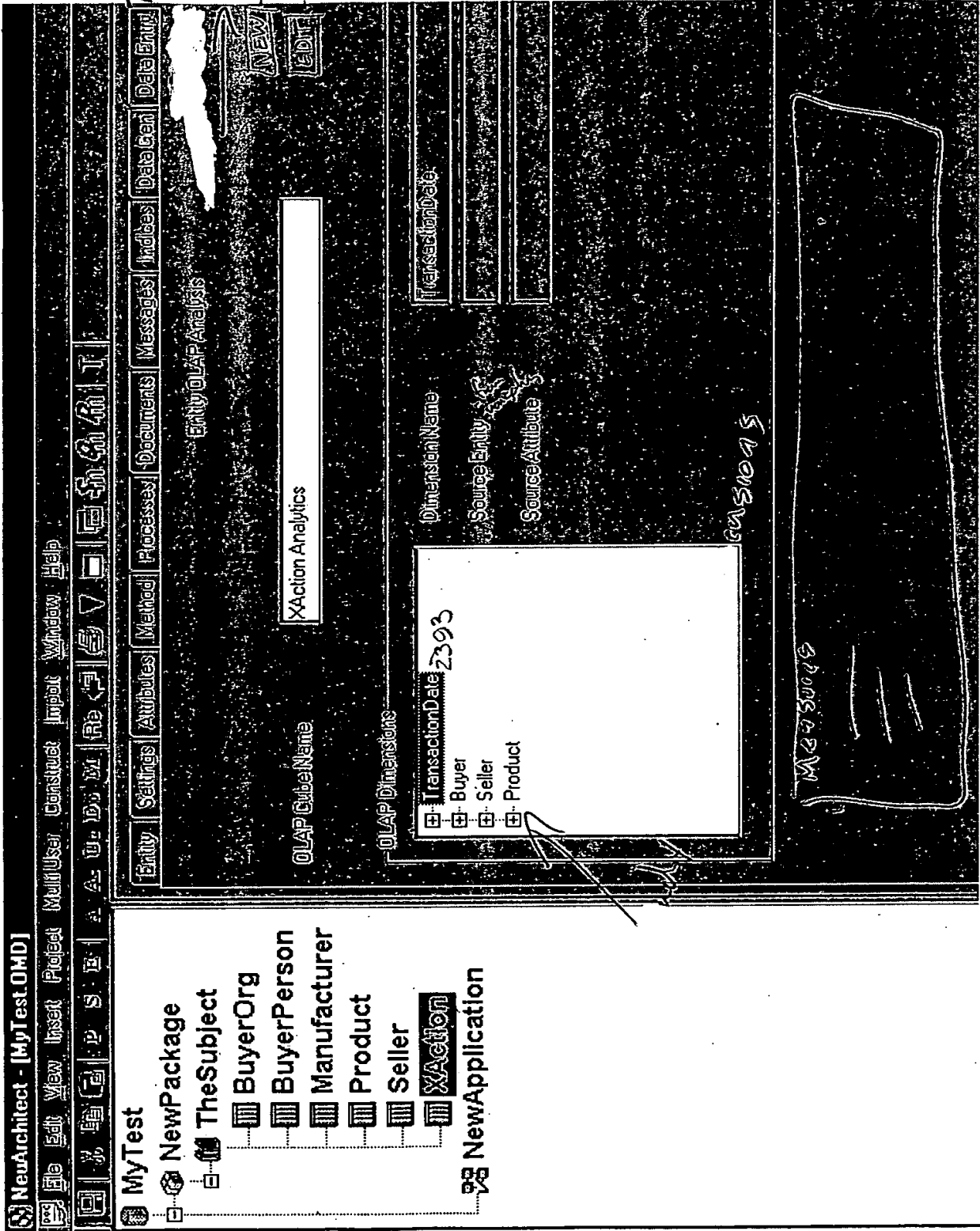
Reporting Label: []

OK Cancel Apply

2213 2215 2219 2217 2211 228

Fig. 22

000E80" 92215960



2391

Analytics

2395

2397

Fig 23

000E80" 922T5960

24/01

✖

Edit Dimension

Dimension Name

New Dimension

OK

Cancel

☐ Time Dimension

Time Hierarchy

Start Month

Dimension Levels

Buyer

Seller

Product

XDate

XStatus

XAmount

SName

SRegion

ArchiveStatus

>>

<<

Clear

Dimension Levels

Buyer

Seller

Product

XDate

XStatus

XAmount

SName

SRegion

ArchiveStatus

Up

Down

Level Display Name

Navigate Relationship

Back

	1	2	3	4	5	6	7	8	9	10
1	R	R	R	B	E	B	B	B	E	
2										
3										
4										
5										
6										
7										
8										
9										
10										

Fig 24

000000-92215960

24101

2511

2513

2515

Edit Dimension

Dimension name:

Dimension time

☒ Time dimension

Time hierarchy: Start month:

Order Attributes

	T	R	Attribute Name
1	B		Amount
2	B		OrderDate
3	E		OrderStatus
4			
5			

>> << Clear

Dimension levels

Order.OrderDate

Up Down

Level display name:

OK Cancel

Next/Previous Relationship Back

Fig. 25

2617

Entity OLAP analysis

OLAP cube name:

OLAP dimensions:

☐ OrderDate

☐ Year

☐ Quarter

☐ Month

☐ Day

Level name:

Source entity:

Source attribute:

2611

2613

Fig. 26

000520" 92275960

000E80" 922T5960

6.7 new
Product

Edit Dimension

Dimension name:

Dimension time:
☐ Time dimension

Time hierarchy: ☐ Start month: ☐

Order Attributes:

	T	R	Attribute Name
1	B		Amount
2	B		OrderDate
3	E		OrderStatus
4	R		Customer
5	IR		Product
6			
7			

2711

2713

>>
<<
Clear

Dimension levels:

Level display name:

Up Down

Navigate Relationship Back

2715

Fig. 27

000E80" 922T5960

Edit Dimension

Dimension name:

Dimension time: ☐ Time dimension

Time hierarchy: ☐ Start month: ☐

Product Attributes

	T	R	Attribute Name
1	I		ProductName
2	M		Orders
3	B		ProductFamilyName
4			
5			

Matthew R

Dimension levels

☐ Product.ProductFamilyName
 ☐ Product.ProductName

>>>

Level display name:

2815

Fig. 28

2613

The screenshot shows the 'Entity OLAP analysis' dialog box with the following details:

- OLAP cube name:** Order Processing Analytics
- OLAP dimensions:**
 - OrderDate
 - Product
 - ProductFamilyName** (selected)
 - ProductName
- Level name:** ProductFamilyName
- Source entity:** Product
- Source attribute:** ProductFamilyName
- Buttons:** New, Edit, Delete

Fig. 29